

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application Number : 10/580,248 Confirmation No.: 6084  
Applicant : Mimi ADACHI *et al.*  
35 U.S.C. § 371 Date : July 20, 2006  
Title : METHOD FOR PROLIFERATING CARDIOMYOCYTES  
TC/Art Unit : 1632  
Examiner: Magdalene K. Sgagias  
Docket No. : 64517.000003  
Customer No. : 21967

Commissioner for Patents  
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**RESPONSE TO BOARD DECISION ON REQUEST FOR REHEARING AND  
REQUEST TO REOPEN PROSECUTION UNDER 37 C.F.R. § 41.50(b)(1)**

Appellants submit the following remarks in response to the Board of Patent Appeals and Interferences Decision on Request for Rehearing, mailed on December 20, 2011 ("Decision"), in the above-identified matter.

**A listing of claims** begin on page 2; and

**Remarks** begin on page 6.